(19) World Intellectual Property Organization International Bureau

OMP)

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(43) International Publication Date 11 November 2004 (11.11.2004)

(10) International Publication Number WO 2004/096570 A3

(51) International Patent Classification⁷: B41F 19/02

B31F 1/07,

(21) International Application Number:

PCT/IL2004/000354

(22) International Filing Date: 28 April 2004 (28.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 155659

29 Oct 65 29 April 2003 (29.04.2003) II

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

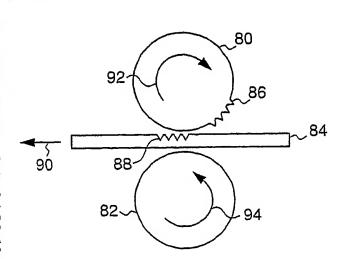
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report: 26 January 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR PROVIDING EMBOSSED HIDDEN IMAGES



(57) Abstract: A method for providing a hidden image (30) within a substrate 40 the method comprising embossing recesses on the substrate 40, the recesses form an at least one hidden image, whereby the at least one hidden image can be viewed with the use of at least one decoder. The decoder can be embossed in a similar manner.

	INTERNATIONAL SEARCH REPOR	International application No.		
			PCT/IL04/00354	
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B 31 F 1/07, B41F 19/02 US CL : 101/3.1, 32 According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 101/3.1, 32, 4,5,18,19,22-24,28,32-36				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched .				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) US EAST				
C. DOCU	JMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.
Х				1,7-11,14-17,21,22,25- 27,30-39
Υ	US 6,104,812 A (Koltai et al.) 15 August 2000 (15.08.2000), col.8, lines 61-63. col.10 line			2-6,12,13,18-
v	57 and claims 8 and 13. US 5,396,559 A (Mcgrew) 07 March 1995 (07.03.1995), see the abstract and col.10,			20,23,24,28,29 2-6,12,13,18-
Y	second paragraph.			20,23,24,28,29
Α [US 5,873,305 A (DEII'olmo) 23 Februarly 1999 (23.02.1999).			1-39
A	US 6,321,648 A (Berson et al.) 27 November 2001 (27.11.2001).			1-39
A US 5,142,383 A (Mallik) 25 August 1992 (25.08.199		92).	:	1-39
				,
	documents are listed in the continuation of Box C.	See patent	t family annex.	
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			nember of the same patent	
priority d	t published prior to the international filing date but later than the late claimed			
Date of the actual completion of the international search 09 November 2005 (09.11.2005)		Date of mailing of the International search report		
	ailing address of the ISA/US	Authorized officer	ledien Xo	we For
Ma	il Stop PCT, Atm: ISA/US nmissioner for Patents	Anthony Nguyen	y was the	7
PC	Box 1450	Telephone No. 571	1-272-2800	
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	1010 (1 -b) (A!! 2005)			

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